

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF AN INTERSECTION CONTROL BEACON AT MD 30 (HANOVER PIKE) AND BORTNER ROAD/DOVER ROAD IN BALTIMORE COUNTY. MD 30 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

I. NORMAL OPERATION

THE INTERSECTION WILL OPERATE IN A FLASHING MODE WITH NORTHBOUND AND SOUTHBOUND MD 30 APPROACHES FLASHING YELLOW. THE EASTBOUND AND WESTBOUND BORTNER ROAD/DOVER ROAD APPROACHES WILL FLASH RED.

SPECIAL NOTE:

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7631 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. DAVID CREIGHTON
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 321-2821

MR. MICHAEL PASQUARELLO
UTILITY ENGINEER
PHONE: (410) 321-2841

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST

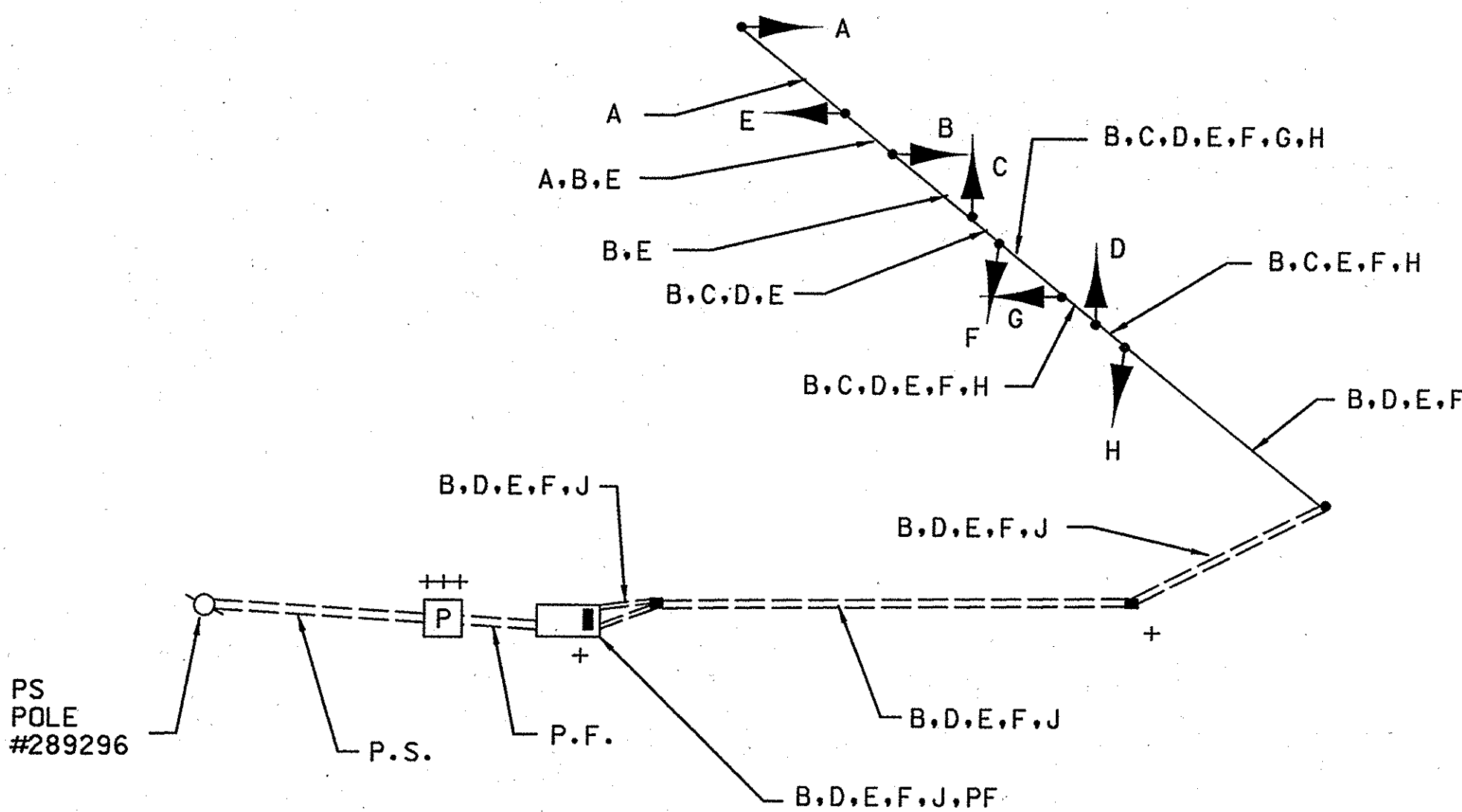
A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR:

ITEM NO.	QUANTITY	DESCRIPTION
9044	1 EA.	FURNISH NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER
9571	50 S.F.	FURNISH SHEET ALUMINUM SIGNS
	- 4 EA	D-3 DUAL FACE SIGN 16" X VARIABLE

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA.	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
8001	8 EA.	FURNISH AND INSTALL 12 IN. LED SIGNAL HEAD SECTION.
8018	1 EA.	FURNISH AND INSTALL 15 FT *T* STEEL MAST ARM POLE W/70 FT MAST ARM.
8034	145 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
8035	60 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - BORED.
8038	150 S.F.	INSTALL OVERHEAD SIGN OR GROUND MOUNTED SIGN - INCLUDING ALL HARDWARE.
8040	120 L.F.	FURNISH AND INSTALL STRANDARD BARE COPPER GROUND WIRE (NO. 6 AWG).
8042	1 EA.	FURNISH AND INSTALL METERED SERVICE PEDESTAL.
8045	40 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE- 1 CONDUCTOR (NO. 8 AWG).
8046	2 EA.	FURNISH AND INSTALL ELECTRICAL HANDHOLE.
8055	110 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG).
8056	700 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG).
8064	1 EA.	INSTALL CONTROLLER AND CABINET - BASE MOUNTED.

WIRING DIAGRAM



WIRING KEY

- B.D.E.F } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
A.C.G.H } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
J } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
PF - POWER FEED 1-CONDUCTOR (NO. 8 AWG)
PS - POWER SOURCE BY OTHERS (BGE)
+ - 3/4 IN. x 10 FT. GROUND ROD

PHASE CHART

	1	2	3	4	5	6	7	8
	Y	Y	Y	Y	R	R	R	R
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

TOD NO: AT912-03
SHA No.: BA633A51/B51
MD 30 @ Bortner Rd/Dover Road



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 30 (HANOVER PIKE) AT BORTNER ROAD/DOVER ROAD
GENERAL INFORMATION SHEET



REVISIONS			
SCALE	NONE	DATE	Dec, 2006
CONTRACT NO.	AT7175185		
DESIGNED BY	TMS	COUNTY	BALTIMORE
DRAWN BY	TMS	LOGMILE	03003006.28
CHECKED BY	MW	TIMS NO.	H715
FAP NO.		TOD NO.	
TS NO.		DRAWING	2 OF 2
SHEET NO.	2	OF	2

PLOTTED: Wednesday, January 17, 2007
FILE: MD30_Bortner_Gl.dgn